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Bulletin of Hardwood Market Statistics: Spring 1991

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Abstract

This publication provides current and historical information on primary and secondary hardwood product production, prices, international trade, and employment.

Introduction

This is the twelfth in a series of statistical bulletins to be released by the USDA Forest Service, Northeastern Forest Experiment Station. These statistics are for use by hardwood related industries, forest managers, the academic community, and the general public. Current, as well as historical, data are presented for comparison.

A new table, 12A, has been added. This table contains volume figures for log exports in cubic meters. It was necessary to develop this table because there is no unique conversion factor for logs to change cubic meters to board feet. Table 12, which contains export figures from 1978 through 1988, will be retained as a separate table for historical purposes. Total log exports and exports to Western Europe continue to be suppressed due to errors in data.

Lumber, veneer, and plywood export figures for the third quarter of 1989 and thereafter are based on computer programs updated by the U.S. Department of Commerce, Bureau of the Census, in cooperation with the USDA Forest Service, Princeton, West Virginia, and reflect actual amounts exported. The remaining volume figures for exports continue to be suppressed due to errors in data. Export figures between 1980 and 1988 are unreliable due to errors during the development of these statistics. For further information contact William G. Luppold, Princeton, West Virginia, at 304-425-8107.

The statistics presented in this bulletin are not inclusive. Specific series were selected based on their completeness and representativeness. For instance, Ohio log and stumpage prices have been included because prices for all major species and log grades have been reported on a biannual basis for over two decades.

We need your opinion to make this series more useful. We need your input on additional data series we can publish and more useful breakdowns of the data that are currently published. Copies of this bulletin are free, upon request. Send your comments and requests for copies to Jean W. Nolley at the address below.

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HARDWOOD STUMPAGE, LOG, AND LUMBER PRICES

Table 1.--Average hardwood stumpage prices in Ohio,
biannual, 1975-90
(Dollars per thousand board feet, Doyle Scale)

Year/season	White oak	Red oak	Cherry	Yellow- poplar
1975/spring	71	64	77	58
1975/fall	72	63	77	58
1976/spring	72	67	75	59
1976/fall	68	67	74	55
1977/spring	89	85	95	65
1977/fall	93	88	93	70
1978/spring	112	108	114	81
1978/fall	131	117	132	85
1979/spring	151	125	166	87
1979/fall	160	142	177	95
1980/spring	133	122	143	77
1980/fall	148	135	166	81
1981/spring	149	142	161	93
1981/fall	130	134	148	84
1982/spring	135	130	145	82
1982/fall	142	145	144	86
1983/spring	147	145	162	89
1983/fall	174	172	185	99
1984/spring	164	184	180	102
1984/fall	169	181	183	107
1985/spring	163	168	180	94
1985/fall	168	180	176	101
1986/spring	NA	NA	NA	NA
1986/fall	191	213	212	113
1987/spring	188	221	205	111
1987/fall	211	252	234	118
1988/spring	215	269	265	126
1988/fall	203	256	261	109
1989/spring	263	291	249	116
1989/fall	243	282	257	133
1990/spring	268	283	278	148
1990/fall	267	272	274	135

NA - Not available.

Source: Ohio Agricultural Statistics Service, Columbus,
Ohio.

Table 2.--Prices of red oak logs in Ohio, biannual, 1975-90
(Dollars per thousand board feet, Doyle Scale)

Year/season	Average all grades	Grade 1 16 inches	Grade 1	Grade 2	Grade 3
1975/spring	113	161	127	95	70
1975/fall	118	183	137	98	74
1976/spring	130	205	146	110	84
1976/fall	142	224	158	119	90
1977/spring	141	258	184	127	94
1977/fall	162	268	190	126	91
1978/spring	181	308	217	151	103
1978/fall	197	332	247	168	117
1979/spring	197	371	277	183	123
1979/fall	209	363	256	176	119
1980/spring	193	332	252	170	113
1980/fall	203	320	241	165	111
1981/spring	216	324	247	168	110
1981/fall	202	339	237	161	100
1982/spring	203	351	250	170	110
1982/fall	277	356	257	173	112
1983/spring	245	385	285	184	111
1983/fall	273	441	301	195	118
1984/spring	322	476	348	193	133
1984/fall	293	465	327	194	124
1985/spring	278	447	326	184	116
1985/fall	303	479	347	211	124
1986/spring	284	469	324	196	119
1986/fall	310	519	370	230	121
1987/spring	306	550	392	228	121
1987/fall	333	608	446	248	130
1988/spring	317	614	437	280	121
1988/fall	339	613	449	266	125
1989/spring	417	630	424	244	123
1989/fall	380	634	441	241	131
1990/spring	417	648	418	243	132
1990/fall	343	575	396	213	123

Source: Ohio Agricultural Statistics Service, Columbus, Ohio.

Table 3.--Prices of grade 1 white oak, cherry,
and poplar logs in Ohio, biannual, 1975-90
(Dollars per thousand board feet, Doyle Scale)

Year/season	Grade 1		
	White oak	Cherry	Poplar
1975/spring	131	143	110
1975/fall	140	162	121
1976/spring	153	169	130
1976/fall	165	187	132
1977/spring	181	208	141
1977/fall	197	214	143
1978/spring	217	256	159
1978/fall	250	290	175
1979/spring	280	309	179
1979/fall	261	294	165
1980/spring	258	270	160
1980/fall	270	283	161
1981/spring	281	300	176
1981/fall	232	263	175
1982/spring	240	272	162
1982/fall	242	283	166
1983/spring	252	287	164
1983/fall	270	305	166
1984/spring	288	373	166
1984/fall	301	328	177
1985/spring	277	308	173
1985/fall	269	312	166
1986/spring	256	308	175
1986/fall	294	335	172
1987/spring	316	336	171
1987/fall	359	390	180
1988/spring	364	406	169
1988/fall	381	402	176
1989/spring	396	398	180
1989/fall	401	399	200
1990/spring	384	380	208
1990/fall	394	375	175

Source: Ohio Agricultural Statistics Service,
Columbus, Ohio.

Table 4.--Air-dried hardwood lumber prices, 1978-91
(Dollars per thousand board feet)

Year	4/4 Appalachian red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
1978	378	251	535	290	281
1979	410	272	600	328	318
1980	350	257	585	336	303
1981	371	278	580	335	290
1982	394	273	570	330	290
1983	481	260	570	320	290
1984	588	260	610	323	301
1985	484	267	605	300	305
1986	483	301	615	284	305
1987	593	312	629	300	305
1988	616	296	796	363	313
1989	535	289	778	395	315
1990:					
1st quarter	535	300	690	395	315
2nd quarter	545	320	670	395	330
3rd quarter	545	320	660	395	335
4th quarter	535	295	635	395	335
1991:					
1st quarter	525	280	620	395	335

Source: By permission from the Hardwood Market Report, Memphis, TN.

Table 5.--Kiln-dried hardwood lumber prices, 1986-91
(Dollars per thousand board feet)

Date	4/4 Appalachian red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
12/86	760-820	NA	NA	NA	NA
1/87	740-850	NA	NA	NA	NA
2/87	760-865	NA	750-770	NA	NA
3/87	825-880	NA	NA	560-600	NA
4/87	NA	NA	690-725	340-390	NA
5/87	875-950	350-410	NA	370-400	NA
6/87	850-940	340-400	740-815	380-460	NA
7/87	850-940	340-400	740-815	380-460	390-440
8/87	850-940	340-400	760-820	380-460	390-440
9/87	875-995	340-400	775-835	380-460	390-440
10/87	875-995	340-400	825-900	380-460	390-440
11/87	850-1010	340-400	875-950	380-460	390-440
12/87	850-1010	340-400	900-975	380-460	390-440
1/88	835-995	340-400	920-1020	495-570	410-485
2/88	815-975	340-400	920-1020	495-570	410-485
3/88	815-975	340-400	960-1060	495-570	410-485
4/88	815-955	340-400	970-1070	495-570	410-485
5/88	805-945	340-400	1000-1010	450-540	390-440
6/88	800-935	340-400	990-1090	450-540	400-450
7/88	765-900	320-380	990-1090	460-550	400-450
8/88	765-900	320-380	990-1090	460-550	400-450
9/88	730-865	320-380	990-1090	465-555	400-450
10/88	695-820	320-370	970-1070	465-555	400-450
11/88	675-800	320-370	950-1050	465-555	400-450
12/88	665-790	320-370	950-1050	465-555	400-450
1/89	665-790	320-370	950-1050	465-555	400-450
2/89	665-790	320-370	950-1050	465-555	400-450
3/89	665-795	320-370	925-1025	465-555	400-450
4/89	685-815	320-370	925-1000	465-555	400-450
5/89	695-825	320-370	910-985	465-555	400-450
6/89	695-825	330-380	890-965	465-555	400-450
7/89	695-825	330-380	890-965	465-555	400-450
8/89	695-825	335-385	870-945	475-565	400-450
9/89	705-835	340-390	860-935	475-565	400-450
10/89	705-835	340-390	850-925	475-565	400-450
11/89	705-835	370-420	850-925	475-565	415-465
12/89	705-835	380-430	825-900	475-565	425-475

Table 5.--Kiln-dried hardwood lumber prices, 1986-91 (cont'd)
(Dollars per thousand board feet)

Date	4/4 Appalachian red oak 1C	4/4 Poplar 1C	4/4 Cherry 1C	4/4 Northern hard maple 1C	4/4 Northern soft maple 1C
1/90	705-835	390-440	800-875	475-565	435-485
2/90	705-835	395-445	800-875	475-565	435-485
3/90	715-845	415-475	750-825	485-575	455-505
4/90	715-845	410-470	730-805	495-585	455-505
5/90	715-855	385-445	730-805	500-590	460-510
6/90	730-870	385-445	705-795	520-610	460-510
7/90	720-860	375-435	695-785	520-610	470-520
8/90	700-840	365-425	695-785	510-600	470-520
9/90	700-840	345-405	675-785	510-600	470-520
10/90	695-835	345-405	665-775	510-600	470-520
11/90	685-825	345-405	665-775	510-600	450-500
12/90	685-825	345-405	665-775	510-600	460-510
1/91	675-825	335-385	665-775	510-600	460-510
2/91	655-805	335-385	655-765	510-600	450-500
3/91	655-795	335-385	645-755	510-600	450-500
4/91	655-795	335-385	625-735	520-610	450-500
5/91	665-805	335-385	635-745	525-615	450-500

NA - Not available.

Source: Weekly Hardwood Review, Charlotte, NC.

HARDWOOD PRODUCT PRICES, PRODUCTION, AND EMPLOYMENT

Table 6.--Producer price indexes for selected wood industries, 1978-91
(1982=100)

Year	Hardwood dimension	Wood kitchen cabinets	Wood household furniture	Upholstered household furniture	Wood office furniture
1978	NA	76.2	71.9	78.7	71.8
1979	NA	83.1	78.2	82.6	79.6
1980	NA	90.8	88.3	90.3	87.0
1981	97.4	96.1	95.3	95.8	94.0
1982	100.0	100.0	100.0	100.0	100.0
1983	102.9	100.6	103.3	102.1	104.1
1984	114.4	103.7	107.9	104.3	108.6
1985	115.6	105.1	111.2	108.1	113.4
1986	115.8	107.2	113.6	109.4	117.5
1987	121.0	109.7	117.2	111.9	121.4
1988	126.2	114.4	122.4	116.8	125.1
1989	130.5	118.0	127.5	119.7	129.0
1990:					
1st quarter	138.0	120.1	130.1	121.1	131.7
2nd quarter	137.9	121.3	131.4	121.5	132.4
3rd quarter	139.3	122.4	132.1	122.0	133.5
4th quarter	140.2	122.9r	133.2	123.1r	134.5r
1991:					
1st quarter	140.5	123.6	134.2	124.3	135.4

r - revised figure.

NA - Not available.

Source: Producer Price Indexes, U.S. Department of Labor, Bureau of
Labor Statistics.

Table 7.--Value of domestic wood household furniture shipments and wood furniture imports, 1972-90
(In millions of dollars, c.i.f.)

Year	Value of ^a domestic wood furniture shipments (actual \$)	Value of ^b domestic wood furniture shipments (1982 \$)	Value of ^c wood furniture imports (actual \$)	Value of wood ^d furniture imports (1982 \$)	Ratio of ^e imports to domestic production
1972	2870	6029	137	288	.05
1973	3201	6351	184	365	.06
1974	3381	6027	220	392	.07
1975	3095	5150	182	303	.06
1976	3780	5943	258	406	.07
1977	4140	6188	322	481	.08
1978	4864	6765	463	644	.10
1979	4942	6320	560	716	.11
1980	5009	5673	581	658	.12
1981	5322	5584	663	696	.12
1982	5057	5057	727	727	.14
1983	5702	5520	953	923	.17
1984	6163	5712	1310	1214	.21
1985	6728	6050	1739	1564	.26
1986	7238	6371	1937	1705	.27
1987	7980	6809	2115	1805	.27
1988	8256	6745	2105	1720	.26
1989	8467	6640	2565	2012	.30
1990	8501	6455	2567	1949	.30

^a Source: U.S. Department of Commerce, International Trade Administration.

^b Value of domestic wood furniture shipments deflated by wood household furniture price index listed in Table 6.

^c Source: U.S. Department of Commerce, Bureau of the Census.

^d Value of wood furniture imports deflated by wood household furniture price index listed in Table 6.

^e Developed from columns 1 and 3.

Table 8.--Production indexes for selected major
hardwood products, 1972-90
(1972=100)

Year	Wood ^a pallets	Oak strip ^b flooring	Wood ^c furniture
1972	100.0	100.0	100.0
1973	119.4	70.7	105.3
1974	132.3	41.5	100.0
1975	102.6	37.4	85.4
1976	126.5	41.7	98.6
1977	152.3	42.1	102.6
1978	174.2	40.7	112.2
1979	191.0	37.0	104.8
1980	166.5	29.9	94.1
1981	162.6	31.8	92.6
1982	147.1	28.7	83.9
1983	166.5	37.6	91.6
1984	196.1	42.0	94.7
1985	216.1	46.6	100.4
1986	240.6	55.6	105.7
1987	270.0	66.6	112.9
1988	301.1	74.2	111.9
1989	326.3	79.0	110.1
1990	346.7	78.6	107.1

^a Derived from National Wooden Pallet and
Container Association statistics.

^b Derived from National Oak Flooring
Manufacturers Association statistics.

^c Derived from U.S. Industrial Outlook.

Table 9.--Employment in selected hardwood-using industries, 1978-91
(In thousands)

Year	Wood pallets and containers (SIC 244)	Upholstered household furniture (SIC 2512)	Wood household furniture (SIC 2511)	Wood kitchen cabinets (SIC 2434)	Hardwood dimension and flooring (SIC 2426)
1978	44.4	102.0	147.9	50.0	33.7
1979	46.9	101.7	147.4	54.1	34.3
1980	42.5	92.3	135.0	48.4	30.8
1981	41.2	89.4	133.5	47.0	29.5
1982	37.6	82.2	121.6	42.0	25.5
1983	37.8	86.2	125.7	48.7	28.3
1984	41.0	91.6	132.8	57.0	31.9
1985	40.9	91.6	132.3	60.4	31.4
1986	40.8	93.4	132.0	65.4	32.1
1987	41.9	98.4	137.2	70.9	34.0
1988	43.4	100.4	138.7	72.3	35.1
1989	44.4	100.1	134.1	73.4	35.7
1990:					
1st quarter	42.7	99.8	131.1	71.5	35.1
2nd quarter	44.3	100.5	128.4	73.1	35.3
3rd quarter	44.9	99.3	125.6	73.3	35.5
4th quarter	43.5	98.7	125.0	70.5r	34.3
1991:					
1st quarter	42.4	94.9	122.1	66.4	35.0

r - revised figure.

Source: U.S. Department of Labor.

Table 10.--Employment index for selected hardwood-using industries, 1978-91
(1978=100)

Year	Wood pallets and containers (SIC 244)	Upholstered household furniture (SIC 2512)	Wood household furniture (SIC 2511)	Wood kitchen cabinets (SIC 2434)	Hardwood dimension and flooring (SIC 2426)
1978	100.0	100.0	100.0	100.0	100.0
1979	105.6	99.7	99.7	108.2	101.8
1980	95.7	90.5	91.3	96.8	91.4
1981	92.8	87.6	90.3	94.0	87.5
1982	84.7	80.6	82.2	84.0	75.7
1983	85.1	84.5	85.0	97.4	84.0
1984	92.3	89.8	89.8	114.0	94.7
1985	92.1	89.8	89.5	120.8	93.2
1986	91.9	91.6	89.2	130.8	95.3
1987	94.4	96.5	92.8	141.8	100.9
1988	97.7	98.4	93.8	144.6	104.2
1989	100.0	98.1	90.7	146.8	105.9
1990:					
1st quarter	96.2	97.8	88.6	143.0	104.2
2nd quarter	99.8	98.5	86.8	146.2	104.8
3rd quarter	101.1	97.4	84.9	146.6	105.3
4th quarter	98.0	96.8	84.5	141.0r	101.8
1991:					
1st quarter	95.5	93.0	82.6	132.8	103.9

r - revised figure.

Source: U.S. Department of Labor.

INTERNATIONAL HARDWOOD PRODUCT TRADE

Table 11.--International exchange rate, foreign currency per U.S. dollar, 1978-91

Year	Canada (dollar)	Mexico (peso)	U.K. (pound)	Denmark (krone)	Belgium (franc)	France (franc)	Germany (mark)	Netherlands (guilder)	Italy (lira)	Japan (yen)
1978	1.1407	22.8	0.521	5.515	31.492	4.5128	2.0086	2.1636	848.7	210.44
1979	1.1714	22.8	0.471	5.261	29.319	4.2545	1.8329	2.0060	830.9	219.14
1980	1.1692	23.0	0.430	5.636	29.242	4.2256	1.8177	1.9881	856.4	226.74
1981	1.1989	24.5	0.493	7.123	37.129	5.4346	2.2600	2.4952	1136.8	220.54
1982	1.2337	56.5	0.571	8.332	45.691	6.5721	2.4266	2.6702	1352.5	249.08
1983	1.2324	120.1	0.659	9.145	51.132	7.6213	2.5533	2.8541	1518.8	237.51
1984	1.2951	167.8	0.748	10.357	57.784	8.7391	2.8459	3.2087	1757.0	237.52
1985	1.3655	256.9	0.771	10.596	59.378	8.9852	2.9440	3.3214	1909.4	238.54
1986	1.3895	619.3	0.682	8.091	44.672	6.9261	2.1715	2.4500	1490.8	168.52
1987	1.3260	1378.2	0.610	6.840	37.334	6.0107	1.7974	2.0257	1296.1	144.64
1988	1.2307	2273.1	0.562	6.731	36.768	5.9570	1.7563	1.9766	1301.7	128.15
1989	1.1840	2461.5	0.611	7.310	38.404	6.3801	1.8800	2.1207	1372.1	138.00
1990:										
1st quarter	1.1826	2690.0	0.604	6.519	35.294	5.7358	1.6908	1.9059	1254.6	147.90
2nd quarter	1.1704	2779.3	0.597	6.397	34.612	5.6443	1.6780	1.8890	1232.8	155.25
3rd quarter	1.1531	2856.4	0.538	6.082	32.783	5.3437	1.5934	1.7954	1177.4	145.23
4th quarter	1.1610	2924.7	0.514	5.756	30.983	5.0573	1.5008	1.6935	1127.6	130.79
1991:										
1st quarter	1.1558	NA	0.524	5.887	31.519	5.2100	1.5307	1.7263	1148.3	133.85

NA - Not available.

Source: International Monetary Fund.

Table 12.--U.S. hardwood log exports, by region and species, 1978-88
(Thousand board feet)

Year	Central & South America and Caribbean								
	Canada						Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	43,235	10,842	3,464	3,659	512	2,023	55,300	4,239	22,204
1979	51,083	14,001	3,828	5,486	1,613	1,919	61,693	7,323	29,520
1980	44,090	10,093	4,669	6,244	1,645	1,324	85,715	8,864	54,158
1981	38,468	12,713	1,434	7,393	770	2,743	53,257	7,604	33,900
1982	29,661	12,603	1,493	4,737	2,203	1,147	44,438	7,021	25,373
1983	35,780	13,552	1,247	4,631	1,996	1,479	51,292	9,798	27,147
1984	49,882	14,591	946	7,405	4,149	2,507	44,861	12,296	21,246
1985	33,349	8,697	595	12,396	6,993	3,804	37,497	6,638	17,315
1986	21,673	9,612	410	7,362	4,502	1,930	73,742	2,505	58,346
1987	29,610	9,919	799	4,926	2,764	842	61,528	4,257	41,054
1988	33,844	6,520	922	6,587	2,778	1,717	67,246	12,734	25,682

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	8,325	906	611	268	50	119	110,787	16,549	28,421
1979	10,429	679	706	82	7	17	128,773	23,623	35,990
1980	15,452	1,302	518	304	49	61	151,805	21,953	60,730
1981	12,019	3,480	1,429	382	117	19	111,519	24,684	39,525
1982	14,103	4,932	823	222	0	13	93,161	26,759	28,849
1983	19,754	9,838	1,904	51	0	15	111,508	35,184	31,792
1984	23,383	10,162	2,793	23	4	5	125,554	41,202	27,497
1985	27,883	15,442	2,003	71	0	4	111,196	37,770	23,721
1986	35,988	15,995	4,845	118	0	50	138,883	32,614	65,581
1987	52,855	17,747	8,137	379	42	215	149,298	34,729	51,047
1988	95,508	32,345	14,017	533	19	401	203,718	54,396	42,739

Source: U.S. Department of Commerce, Bureau of the Census.

Table 12A.--U.S. hardwood log exports, by region and species, 1989-91
(Cubic meters)

Year	Canada			Central & South America and Caribbean			Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1989:									
1st quarter	48,692	17,197	1,351	8,020	3,617	602	NA	NA	NA
2nd quarter	16,436	9,424	1,237	10,229	3,587	1,873	NA	NA	NA
3rd quarter	20,155	5,881	700	3,236	643	384	NA	NA	NA
4th quarter	27,903	4,308	580	10,485	6,013	1,500	NA	NA	NA
Total 1989	113,186	36,810	3,868	31,970	13,860	4,359	NA	NA	NA
1990:									
1st quarter	82,197	14,950	3,788	2,734	886	408	NA	NA	NA
2nd quarter	54,191	16,013	3,767	3,479	602	403	NA	NA	NA
3rd quarter	88,106	20,022	3,211	3,263	1,250	380	NA	NA	NA
4th quarter	101,090	20,957	6,824	4,439	1,792	381	NA	NA	NA
Total 1990	325,584	71,942	17,590	13,915	4,530	1,572	NA	NA	NA
1991:									
1st quarter	127,333	27,657	7,871	3,536	511	691	NA	NA	NA
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1989:									
1st quarter	154,187	41,567	23,941	5,610	60	4,454	NA	NA	NA
2nd quarter	131,866	28,263	20,789	8,370	1,109	6,349	NA	NA	NA
3rd quarter	60,487	16,186	4,705	1,533	188	782	NA	NA	NA
4th quarter	62,857	16,116	8,864	9,003	460	8,193	NA	NA	NA
Total 1989	409,397	102,132	58,299	24,516	1,817	19,778	NA	NA	NA
1990:									
1st quarter	108,684	19,503	25,885	5,804	0	5,785	NA	NA	NA
2nd quarter	112,104	25,129	22,695	3,826	45	3,256	NA	NA	NA
3rd quarter	45,687	11,283	3,888	1,262	20	1,123	NA	NA	NA
4th quarter	68,629	12,366	19,095	3,330	16	3,275	NA	NA	NA
Total 1990	335,104	68,281	71,563	14,222	81	13,439	NA	NA	NA
1991:									
1st quarter	105,392	12,706	21,988	1,346	0	1,296	NA	NA	NA
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

NA - Not available. See introduction, paragraph 2.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 13.--U.S. hardwood lumber exports, by region and species, 1978-91
(Thousand board feet)*

Year	Canada			Central & South America and Caribbean			Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	156,077	80,990	14,186	10,918	1,519	448	97,062	42,807	38,877
1979	163,396	81,888	8,918	11,423	2,330	96	109,159	53,992	34,311
1980	155,482	75,363	10,750	15,366	3,300	585	160,190	71,771	56,186
1981	163,373	87,807	7,560	14,964	4,259	502	159,024	81,347	47,389
1982	123,348	70,291	5,426	15,551	5,691	891	158,369	76,720	49,343
1983	187,885	101,882	8,084	15,286	7,537	377	165,082	71,700	60,146
1984	176,634	100,271	9,563	21,985	10,102	988	131,536	55,197	52,136
1985	130,558	76,341	6,077	21,918	9,899	2,086	110,498	46,638	41,707
1986	149,037	95,518	5,707	31,048	11,973	986	145,374	51,061	59,911
1987	202,159	124,131	9,074	44,827	22,915	1,786	222,649	77,885	81,517
1988	259,763	153,100	12,638	64,265	32,431	3,114	409,314	158,632	114,063
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	66,859	30,896	11,179	9,700	3,004	700	69,782	12,535	32,923
2nd quarter	62,217	28,109	11,431	9,105	2,988	457	76,262	12,340	34,806
3rd quarter	49,624	23,392	8,508	9,905	3,262	887	61,754	10,491	28,995
4th quarter	52,518	23,882	9,323	9,190	3,303	1,446	69,036	12,587	32,003
Total 1990	232,217	106,284	40,441	37,899	12,558	3,490	276,872	47,953	128,727
1991:									
1st quarter	52,658	23,292	7,870	9,218	4,068	1,071	77,476	13,565	35,694
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	5,442	539	2,327	1,001	196	110	270,500	126,051	55,948
1979	8,800	3,211	1,570	1,467	745	87	294,245	142,166	44,982
1980	21,767	2,221	8,761	2,524	924	773	355,329	153,579	77,055
1981	36,765	10,165	10,278	4,495	1,547	1,576	378,621	185,125	67,305
1982	31,417	10,664	7,620	5,619	3,469	974	334,304	166,835	64,254
1983	69,025	23,926	13,716	10,711	5,674	2,840	447,989	210,719	85,163
1984	102,651	41,066	17,233	8,386	3,629	3,000	441,192	210,265	82,920
1985	102,032	46,282	11,977	7,597	2,841	3,470	372,603	182,001	65,317
1986	165,716	85,390	20,952	7,109	3,213	2,404	498,284	247,155	89,960
1987	242,653	101,766	28,173	13,645	6,271	5,092	725,933	332,968	125,642
1988	410,414	159,184	30,191	20,055	8,927	6,482	1,163,811	512,274	166,488
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	58,792	18,504	9,356	4,358	1,332	2,222	209,491	66,273	56,380
2nd quarter	57,996	18,095	8,085	5,837	1,258	3,997	212,417	62,790	58,776
3rd quarter	57,354	21,884	7,809	9,155	2,695	5,723	187,792	61,724	51,922
4th quarter	54,884	22,071	9,160	6,325	1,696	4,088	191,991	63,540	56,020
Total 1990	229,027	80,554	34,410	25,675	6,981	16,029	801,691	254,327	223,098
1991:									
1st quarter	53,537	20,159	6,002	6,325	1,361	4,297	199,214	62,445	54,934
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

* - Beginning in July 1989, lumber exports were reported in cubic meters. A conversion factor of 0.4238 was used to change figures from cubic meters to board feet.

NA - Not available. See introduction, paragraph 3.

Source: U.S.Department of Commerce, Bureau of the Census.

Table 14.--U.S. hardwood veneer exports, by region and species, 1978-91
(Thousand square feet, 1/36" basis)*

Year	Central & South America and Caribbean								
	Canada						Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	105,076	18,836	4,475	16,910	598	0	744,588	46,502	397,682
1979	76,931	21,489	2,106	2,884	453	53	749,105	45,101	446,306
1980	88,500	23,890	3,035	48,525	996	1,031	912,171	91,308	503,282
1981	126,350	25,265	5,788	55,750	675	2,970	667,693	69,110	383,889
1982	93,685	29,016	4,451	19,874	1,429	233	613,115	85,536	360,966
1983	171,859	53,663	5,854	13,454	1,239	1,187	738,783	140,018	371,557
1984	211,152	79,264	24,680	28,309	1,779	1,753	630,179	116,774	346,915
1985	145,476	33,752	15,293	19,234	2,415	553	484,032	102,893	241,419
1986	143,199	33,806	7,456	31,596	1,847	1,877	599,002	119,965	340,418
1987	311,316	68,770	12,551	19,177	416	3,857	835,372	167,377	482,582
1988	227,564	55,833	9,847	18,071	2,243	4,575	909,506	204,127	571,284
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	56,161	21,803	8,801	9,604	2,265	2,132	270,516	51,917	156,451
2nd quarter	60,418	23,357	9,180	4,211	995	507	301,219	56,744	178,175
3rd quarter	51,053	23,218	8,406	6,481	406	2,517	228,585	43,340	126,144
4th quarter	47,402	22,519	6,203	6,696	2,123	1,901	312,591	53,339	182,346
Total 1990	215,034	90,897	32,591	26,992	5,790	7,057	1,112,911	205,340	643,117
1991:									
1st quarter	44,654	21,430	5,735	5,044	919	1,489	284,797	59,068	146,731
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	31,137	2,946	3,274	9,289	17	1,753	907,000	68,899	407,184
1979	29,111	3,074	2,462	7,050	106	854	865,081	70,223	451,781
1980	17,995	2,983	1,480	10,171	883	2,352	1,077,361	120,060	511,180
1981	50,327	11,934	5,611	19,493	419	3,553	919,613	107,403	401,811
1982	66,206	24,653	3,594	11,767	324	2,697	804,647	140,958	371,941
1983	88,254	40,504	4,630	11,419	1,457	4,256	1,023,769	236,881	387,484
1984	114,512	52,053	6,807	30,407	248	5,760	1,014,559	250,118	385,915
1985	124,669	66,419	7,591	19,303	3,688	7,521	792,714	209,167	272,377
1986	201,434	74,507	42,802	20,532	6,193	10,407	995,763	236,318	402,960
1987	196,544	57,189	47,978	22,249	2,754	13,881	1,384,658	296,506	560,849
1988	393,619	92,790	97,054	25,499	5,727	15,258	1,574,259	360,720	698,018
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	78,370	15,605	14,307	5,098	793	2,867	419,748	92,383	184,288
2nd quarter	75,803	16,072	12,660	9,275	276	4,797	450,926	97,444	205,320
3rd quarter	68,824	20,371	15,156	12,160	481	8,391	367,104	87,815	160,614
4th quarter	67,559	17,226	14,610	8,816	2,564	4,761	443,064	97,771	209,822
Total 1990	290,556	69,273	56,464	35,349	4,114	20,816	1,680,842	375,414	760,044
1991:									
1st quarter	68,379	18,297	19,226	11,692	4,265	4,584	414,566	103,979	177,767
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

* - Beginning in July 1989, veneer exports were reported in square meters regardless of thickness. A conversion factor of 10.7639 was used to change figures from square meters to square feet.

NA - Not available. See introduction, paragraph 3.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 15.--U.S. hardwood plywood exports, by region and species, 1978-91
(Thousand square feet, 3/8" basis)*

Year	Central & South America and Caribbean								
	Canada						Western Europe		
	Total	Birch	Oak	Total	Birch	Oak	Total	Birch	Oak
1978	22,399	1,117	487	5,375	1,414	122	3,535	53	350
1979	21,898	698	2,148	6,493	945	42	2,767	390	29
1980	18,017	2,113	3,462	15,474	2,943	527	7,663	74	1,093
1981	31,007	8,652	9,322	17,245	3,477	1,511	2,266	475	491
1982	18,833	5,231	8,327	16,192	2,463	443	2,977	141	2,053
1983	22,541	3,797	11,618	11,507	1,638	216	4,831	107	4,567
1984	15,308	3,087	6,029	13,853	1,997	777	4,676	155	3,941
1985	16,754	3,775	4,586	17,198	2,274	1,346	2,927	0	1,060
1986	25,370	3,163	7,002	16,711	1,731	1,352	11,249	1,896	218
1987	18,631	2,056	6,593	27,767	3,962	4,210	10,229	0	1,204
1988	28,696	2,164	16,440	51,845	13,351	2,788	16,259	795	2,418
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	9,001	1,508	0	17,265	3,831	2,157	2,264	105	47
2nd quarter	8,839	1,729	0	11,322	2,670	3,036	194	0	105
3rd quarter	8,438	1,710	0	9,887	3,307	1,939	360	0	0
4th quarter	9,457	2,410	0	9,026	2,091	2,660	512	78	0
Total 1990	35,736	7,357	0	47,500	11,898	9,793	3,330	183	153
1991:									
1st quarter	13,157	3,389	0	12,262	4,535	2,320	1,722	159	51
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	Birch	Oak	Total	Birch	Oak	Total	Birch	Oak
1978	3,081	990	48	1,289	289	0	35,679	3,863	1,007
1979	1,366	199	396	941	709	0	33,465	2,941	2,615
1980	3,813	542	455	1,159	678	0	46,126	6,350	5,537
1981	2,304	197	670	2,183	1,085	152	55,005	13,886	12,146
1982	2,586	619	279	672	393	21	41,260	8,847	11,123
1983	1,269	190	314	987	598	338	41,135	6,330	17,053
1984	2,003	12	2	818	470	0	36,658	5,721	10,749
1985	6,515	979	562	629	212	0	44,023	7,240	7,554
1986	6,918	0	307	193	20	18	60,441	6,810	8,897
1987	2,678	452	204	255	46	0	59,560	6,516	12,211
1988	6,269	1,365	181	731	311	0	103,800	17,986	21,827
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:									
1st quarter	1,688	0	442	61	0	8	30,279	5,443	2,655
2nd quarter	895	98	157	328	0	38	21,579	4,498	3,337
3rd quarter	411	0	0	173	32	0	19,270	5,048	1,939
4th quarter	381	0	0	241	0	0	19,617	4,579	2,660
Total 1990	3,375	98	599	802	32	46	90,744	19,568	10,591
1991:									
1st quarter	831	0	331	359	0	0	28,332	8,083	2,702
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

* - Beginning in July 1989, plywood exports were reported in cubic meters. A conversion factor of 1.130062555 was used to change figures from cubic meters to square feet.

NA - Not available. See introduction, paragraph 3.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 16.--U.S. hardwood log imports, by region and species, 1978-88
(Thousand board feet)

Year	Africa		Asia		Canada		South America	
	Total	Mahogany	Total	Philippine Mahogany	Total	Birch/maple	Total	Mahogany
1978	4,105	1,049	465	3	11,899	9,088	1,063	0
1979	1,406	1,009	1,048	315	10,198	8,416	265	44
1980	1,347	900	154	18	10,225	7,403	188	0
1981	708	600	557	0	11,821	8,665	370	2
1982	916	795	387	11	16,807	10,172	126	8
1983	332	249	1,746	263	19,277	5,061	904	35
1984	654	369	1,794	280	26,727	4,395	316	96
1985	1,379	157	13,891	304	10,353	2,905	578	118
1986	1,211	1,197	5,351	1,554	9,168	2,997	182	0
1987	318	220	1,931	252	7,313	3,722	383	108
1988	1,448	1,324	2,559	0	6,879	3,758	623	330

Year	All others				Total*			
	Total	Birch/maple	Philippine mahogany	Mahogany	Total	Birch/maple	Mahogany	Philippine mahogany
1978	253	0	0	11	17,785	9,088	1,060	3
1979	1,651	4	0	0	14,568	8,420	1,053	315
1980	1,529	0	0	110	13,443	7,403	1,013	18
1981	88	5	0	0	13,544	8,670	611	0
1982	32	0	0	0	18,268	10,172	803	11
1983	279	0	0	3	22,538	5,061	321	263
1984	596	0	0	55	30,087	4,400	520	280
1985	391	1	0	43	26,592	2,906	331	304
1986	10,446	29	0	63	26,358	3,026	1,260	1,554
1987	3,898	49	0	0	13,843	3,775	328	252
1988	697	0	0	0	12,206	3,812	1,695	0

* - Totals may not reflect sums of regions due to omission of small amounts of species not included in regional breakdowns.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 16A.--U.S. hardwood log imports, by region and species, 1989-91
(Cubic meters)

Year	Africa		Asia		Canada		South America	
	Total	Mahogany	Total	Philippine Mahogany	Total	Birch/maple	Total	Mahogany
1989:								
1st quarter	2,808	827	6,794	5,251	11,942	7,318	1,226	0
2nd quarter	1,980	1,529	7,043	4,833	7,645	4,550	3,895	0
3rd quarter	1,269	1,089	8,737	8,276	8,964	6,493	1,966	0
4th quarter	1,346	0	5,744	5,320	7,742	4,805	1,561	0
Total 1989	7,403	3,445	28,318	23,680	36,293	23,166	8,648	0
1990:								
1st quarter	863	863	2,998	2,991	4,252	3,843	201	18
2nd quarter	1,528	1,528	2,767	2,715	2,970	2,046	262	0
3rd quarter	886	886	1,113	1,103	5,111	3,893	209	125
4th quarter	1,055	1,030	1,035	1,035	2,805	2,383	84	30
Total 1990	4,332	4,307	7,913	7,844	15,138	12,165	756	173
1991:								
1st quarter	61	0	1,032	1,032	2,848	2,444	283	17
2nd quarter	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--

Year	All others				Total*			
	Total	Birch/maple	Philippine mahogany	Mahogany	Total	Birch/maple	Mahogany	Philippine mahogany
1989:								
1st quarter	1,373	20	154	0	24,143	7,338	827	5,424
2nd quarter	220	14	87	11	20,783	4,564	1,614	5,014
3rd quarter	650	0	0	0	21,586	6,493	1,221	8,420
4th quarter	276	20	0	0	16,669	4,825	0	5,320
Total 1989	2,519	54	241	11	83,181	23,220	3,662	24,178
1990:								
1st quarter	638	236	46	0	8,952	4,079	881	3,037
2nd quarter	543	326	7	0	8,070	2,372	1,528	2,768
3rd quarter	277	104	0	0	7,596	3,997	1,011	1,103
4th quarter	188	3	118	0	5,167	2,386	1,060	1,172
Total 1990	1,646	669	171	0	29,785	12,834	4,480	8,080
1991:								
1st quarter	313	0	261	0	4,537	2,444	17	1,309
2nd quarter	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--

* - Totals may not reflect sums of regions due to omission of small amounts of species not included in regional breakdowns.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 17.--U.S. hardwood lumber imports, by region and species, 1978-91
(Thousand board feet)*

Year	Africa				Asia				Canada			
	Mahogany		Philippine mahogany		Mahogany		Philippine mahogany		Mahogany		Philippine mahogany	
	Total	Birch/ maple	Total	Birch/ maple	Total	Birch/ maple	Total	Birch/ maple	Total	Birch/ maple	Total	Birch/ maple
1978	18,671	2,700	0	22	95,389	201	54,406	9	95,423	253	0	74,275
1979	10,898	2,169	0	30	127,297	97	56,970	46	81,103	240	0	54,975
1980	3,590	754	0	10	69,509	210	46,942	21	67,486	318	2	47,764
1981	5,500	549	0	0	75,704	14	39,353	9	71,241	205	0	41,406
1982	2,976	503	0	0	43,364	201	18,103	4	72,308	170	0	32,284
1983	2,351	214	0	0	69,888	264	38,681	1	70,436	220	0	31,127
1984	2,671	625	0	1	95,268	216	48,044	0	82,848	154	0	32,093
1985	3,637	664	0	0	101,411	678	42,874	0	96,036	239	0	32,582
1986	4,524	1,971	52	0	82,759	861	36,012	0	99,725	359	0	45,435
1987	6,992	4,776	0	30	94,720	718	45,272	86	154,383	398	0	50,273
1988	3,079	1,500	0	12	79,875	1,399	31,618	23	135,849	274	0	49,006
1989	3,250	1,171	0	0	46,780	644	29,802	0	121,515	78	0	40,611
1990:												
1st quarter	557	316	0	0	9,205	102	6,085	0	28,429	3	262	10,318
2nd quarter	1,129	383	0	0	7,223	247	3,616	0	31,249	1	28	13,434
3rd quarter	836	438	0	0	9,003	58	4,300	19	28,440	0	0	12,467
4th quarter	482	295	0	0	7,923	57	4,781	0	26,112	2	0	10,325
Total 1990	3,003	1,432	0	0	33,355	464	18,782	19	114,230	6	289	46,545
1991:												
1st quarter	472	254	0	0	7,792	489	4,311	0	23,700	2	0	10,142
2nd quarter	--	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--	--

Table 17.--U.S. hardwood lumber imports, by region and species, 1978-91 (cont'd)
(Thousand board feet)*

Year	South America				All other				Total**			
	Philippine		Birch/		Philippine		Birch/		Philippine		Birch/	
	Total	Mahogany	mahogany	maple	Total	Mahogany	mahogany	maple	Total	Mahogany	mahogany	maple
1978	110,690	24,782	0	16	1,875	0	0	40	322,048	27,936	54,406	74,362
1979	111,487	27,217	36	14	2,091	16	0	84	332,876	29,739	57,006	55,149
1980	120,415	40,518	23	0	4,090	199	19	15	265,090	41,999	46,986	47,810
1981	105,648	41,966	0	1	2,758	5	0	560	260,851	42,739	39,353	41,976
1982	66,060	25,962	384	0	2,191	12	21	175	186,899	26,848	18,508	32,463
1983	85,975	40,124	799	0	2,621	98	1	29	231,271	40,920	39,481	31,157
1984	94,775	46,301	9	19	6,324	630	169	42	281,886	47,926	48,222	32,155
1985	102,088	57,893	260	18	8,825	2,225	0	1,355	311,997	61,699	43,134	33,955
1986	96,656	51,584	0	48	6,737	435	0	1,914	290,401	55,210	36,064	47,397
1987	186,290	129,217	163	1	5,426	687	10	508	447,811	135,796	45,445	50,898
1988	109,315	55,979	58	85	5,564	240	0	158	333,682	59,392	31,676	49,284
1989:	111,058	47,168	12,428	0	***	137	0	711	284,341	49,197	42,230	41,323
1990:												
1st quarter	28,705	14,767	2,703	0	1,154	0	0	14	68,050	15,188	9,050	10,332
2nd quarter	19,619	8,322	2,314	0	2,500	33	0	11	61,720	8,985	5,957	13,445
3rd quarter	18,598	6,343	2,755	0	184	44	0	1	57,062	6,883	7,055	12,486
4th quarter	19,137	9,539	1,666	109	574	3	0	33	54,228	9,896	6,447	10,468
Total 1990	86,059	38,971	9,438	109	4,413	80	0	60	241,060	40,952	28,509	46,732
1991:												
1st quarter	25,388	16,973	759	0	186	11	0	24	57,537	17,730	5,071	10,167
2nd quarter	--	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--	--

* - Beginning in July 1989, lumber imports were reported in cubic meters. A conversion factor of 0.4238 was used to change figures from cubic meters to board feet.

** - Totals may not reflect sums due to rounding.

*** - Reported volumes inconsistent with values.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 18.--U.S. hardwood veneer imports, by region and species, 1978-91
(Million square feet, 1/36" basis)*

Year	Canada			Brazil			Other South America			Philippines		
	Birch/		Total	Birch/		Total	Birch/		Total	Birch/		Total
	maple	mahogany		maple	mahogany		maple	mahogany		maple	mahogany	
1978	817.4	712.9	0.0	0.0	0.0	0.0	7.4	12.4	91.9	1.0	434.1	442.6
1979	834.0	711.6	0.0	0.0	0.0	0.0	0.0	1.8	86.9	0.5	439.8	448.2
1980	700.4	580.4	0.0	0.0	0.0	0.0	0.0	0.0	102.8	0.8	258.8	261.5
1981	753.6	602.0	0.0	0.0	0.0	0.0	0.2	0.0	104.6	0.5	320.5	330.7
1982	705.9	505.2	0.4	0.0	0.0	0.0	0.0	27.9	49.5	0.0	118.1	120.0
1983	908.3	633.3	0.0	0.0	0.0	0.0	0.0	0.0	58.2	0.9	288.7	318.3
1984	828.1	524.1	0.9	0.2	4.4	4.4	0.0	0.0	55.0	0.0	168.7	180.7
1985	728.7	491.6	0.7	0.0	10.7	10.7	0.0	0.5	36.9	2.0	102.2	110.7
1986	831.8	544.1	0.4	4.3	0.3	0.3	0.0	0.0	42.6	0.2	107.4	112.7
1987	910.8	555.1	0.0	2.1	0.0	0.0	0.0	0.0	30.4	0.0	120.2	122.8
1988	944.2	573.4	0.0	3.4	0.0	0.0	0.0	0.0	69.2	0.0	177.1	182.4
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:												
1st quarter	252.4	158.1	NA	0.3	NA	NA	0.0	NA	22.8	0.0	NA	33.6
2nd quarter	252.4	144.4	NA	0.2	NA	NA	0.0	NA	17.7	0.0	NA	31.4
3rd quarter	208.8	127.0	NA	1.2	NA	NA	0.0	NA	12.8	0.0	NA	28.5
4th quarter	190.7	113.4	NA	***	NA	NA	0.0	NA	24.9	0.0	NA	18.1
Total 1990	904.2	629.0	NA	1.7	NA	NA	0.0	NA	78.1	0.0	NA	111.6
1991:												
1st quarter	192.7	120.1	NA	0.0	NA	NA	0.0	NA	13.9	0.0	NA	7.9
2nd quarter	--	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--	--

Table 18.--U.S. hardwood veneer imports, by region and species, 1978-91 (cont'd)
(Million square feet, 1/36" basis)*

Year	Other Asia				All other				Total**			
	Birch/		Philippine		Birch/		Philippine		Birch/		Philippine	
	Total	maple	mahogany		Total	maple	mahogany		Total	maple	mahogany	
1978	94.2	0.3	64.0		49.8	1.3	0.1		1,632.5	722.8	510.6	
1979	34.4	0.1	21.6		80.1	1.2	0.0		1,560.1	713.4	463.2	
1980	38.6	0.6	6.2		45.5	2.4	0.0		1,213.2	584.2	265.0	
1981	67.6	1.4	33.3		78.5	1.0	0.0		1,406.3	605.1	353.8	
1982	29.8	0.5	18.8		212.9	1.1	3.2		1,231.9	506.8	168.4	
1983	47.6	0.2	21.0		136.4	3.5	0.0		1,607.2	637.8	309.7	
1984	106.5	1.9	70.2		155.2	11.0	5.1		1,503.0	537.2	249.3	
1985	129.8	0.7	101.9		192.6	7.2	0.5		1,398.0	501.5	216.5	
1986	197.7	0.7	171.0		214.3	8.0	1.2		1,603.9	557.3	280.3	
1987	208.5	0.5	164.8		192.5	5.6	0.0		1,682.1	563.4	285.0	
1988	97.0	0.0	61.4		164.4	11.1	1.1		1,713.8	587.9	239.6	
1989	NA	NA	NA		NA	NA	NA		NA	NA	NA	
1990:												
1st quarter	28.5	0.3	NA		26.8	2.9	NA		424.1	161.7	NA	
2nd quarter	34.9	0.2	NA		29.8	1.7	NA		431.9	146.5	NA	
3rd quarter	40.0	0.6	NA		43.9	7.2	NA		390.7	136.0	NA	
4th quarter	35.7	0.2	NA		24.9	1.5	NA		354.1	115.1	NA	
Total 1990	139.0	1.4	NA		125.4	13.2	NA		1,600.7	559.2	NA	
1991:												
1st quarter	35.0	0.4	NA		15.6	1.9	NA		314.6	122.4	NA	
2nd quarter	--	--	--		--	--	--		--	--	--	
3rd quarter	--	--	--		--	--	--		--	--	--	
4th quarter	--	--	--		--	--	--		--	--	--	
Total 1991	--	--	--		--	--	--		--	--	--	

* - Beginning in July 1989, veneer imports were reported in square meters regardless of thickness.

** - A conversion factor of 10.7639 was used to change figures from square meters to square feet.

*** - Totals may not reflect sums due to rounding.

NA - Less than 0.1 million square feet.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 19.---U.S. hardwood plywood imports, by region and species, 1978-91
(Thousand square feet, 3/8" basis)*

[illegible]

Table 19.--U.S. hardwood plywood imports, by region and species, 1978-91 (cont'd)
(Thousand square feet, 3/8" basis)*

Year	Canada			South America			All other			Total**	
	Total	Birch	Philippine mahogany	Total	Birch	Philippine mahogany	Total	Birch	Philippine mahogany	Total	Philippine mahogany
1978	73,574	65,104	11	24,048	0	67	48,146	38,416	0	4,973,012	313,959
1979	81,634	70,448	0	24,846	0	0	40,200	33,961	1	4,074,177	305,895
1980	70,117	59,810	67	31,235	0	0	30,256	26,556	0	2,289,381	253,095
1981	61,311	48,128	8	29,630	0	0	36,704	31,515	0	2,821,872	249,589
1982	50,557	39,502	1	21,660	238	0	23,026	17,040	0	2,179,448	218,645
1983	53,263	29,978	0	38,765	129	0	33,385	24,495	0	3,293,911	274,854
1984	66,332	42,302	3	54,339	4,386	0	36,130	30,451	0	2,880,319	309,946
1985	62,072	39,616	69	58,128	848	0	53,901	29,101	164	3,448,343	330,876
1986	42,231	16,809	0	87,407	728	0	57,226	30,228	0	3,689,145	327,018
1987	80,807	48,895	0	81,284	1,013	324	57,452	29,914	128	3,848,535	321,060
1988	76,635	50,970	0	87,039	77	149	32,226	20,865	0	3,163,976	284,432
1989	118,798	65,978	NA	104,322	0	NA	***	***	NA	1,827,187	182,315
1990:											
1st quarter	23,879	12,213	NA	32,162	0	NA	20,959	19,596	NA	388,649	48,758
2nd quarter	28,396	16,690	NA	44,039	0	NA	9,695	7,260	NA	436,378	43,729
3rd quarter	26,540	13,853	NA	37,023	446	NA	13,301	10,078	NA	415,755	38,190
4th quarter	21,372	12,938	NA	27,609	159	NA	17,413	13,157	NA	365,978	36,310
Total 1990	100,187	55,694	NA	140,832	606	NA	61,368	50,091	NA	1,606,759	166,987
1991:											
1st quarter	23,764	14,362	NA	36,657	293	NA	24,321	23,414	NA	387,853	47,493
2nd quarter	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--

* - Beginning in July 1989, plywood imports were reported in cubic meters. A conversion factor of 1.130062555 was used to change figures from cubic meters to square feet.

** - Totals may not reflect sums due to rounding.

*** - Reported volumes inconsistent with values.

NA - Not available.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 20.--Value of U.S. wood furniture imports, by region and product, 1978-91
(In thousands of dollars, c.i.f.)

Year and product	Canada	Caribbean, South & Central America	Scandi- navia	Other Western Europe	Eastern Europe	Asia, Middle East, & Pacific	All other	Total*
1978:								
Chairs	3,472	3,546	9,192	19,772	43,364	33,478	1,961	114,785
Other furniture	23,707	12,641	46,064	62,862	16,187	61,399	3,803	226,663
Wood parts	3,856	5,574	1,696	4,660	8,414	16,083	631	40,914
Total 1978	31,035	21,761	56,952	87,294	67,965	110,960	6,395	382,362
1979:								
Chairs	4,652	4,133	9,292	19,933	43,276	44,151	1,302	126,739
Other furniture	36,854	14,952	55,891	77,055	21,013	79,532	4,448	289,745
Wood parts	4,623	5,066	1,752	7,054	8,041	20,462	683	47,681
Total 1979	46,129	24,151	66,935	104,042	72,330	144,145	6,433	464,165
1980:								
Bentwood	NA	NA	NA	NA	8,373	4,762	414	13,549
Chairs	5,953	3,603	8,638	19,354	52,333	58,453	1,960	150,294
Other furniture	48,198	15,997	61,507	75,145	23,618	84,365	5,728	314,558
Wood parts	4,393	5,548	2,055	7,206	8,729	19,434	588	47,953
Total 1980	58,544	25,148	72,200	101,705	93,053	167,014	8,690	526,354
1981:								
Bentwood	NA	NA	NA	NA	8,678	2,924	214	11,816
Chairs	7,907	4,711	9,511	19,659	50,980	74,534	1,753	169,055
Other furniture	55,424	13,979	62,236	80,618	23,481	110,743	5,332	351,813
Wood parts	5,492	4,718	1,840	7,126	24,540	24,154	1,220	69,090
Total 1981	68,823	23,408	73,587	107,403	107,679	212,355	8,519	601,774
1982:								
Bentwood	83	NA	NA	NA	9,178	2,532	173	11,966
Chairs	8,117	4,755	10,986	20,375	62,538	79,669	1,525	187,965
Other furniture	66,349	14,712	76,302	85,439	31,444	132,224	4,810	411,280
Wood parts	4,652	3,300	1,463	8,413	8,610	20,496	716	47,650
Total 1982	79,201	22,767	88,751	114,227	111,770	234,921	7,224	658,861

Table 20.--Value of U.S. wood furniture imports, by region and product, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year and product	Canada	Caribbean, South & Central America	Scandi- navia	Other Western Europe	Eastern Europe	Asia, Middle East, & Pacific	All other	Total*
1983:								
Bentwood	NA	NA	NA	NA	9,002	4,559	384	13,945
Chairs	10,783	5,686	14,785	27,412	45,010	94,717	1,792	200,185
Other furniture	85,862	19,969	105,604	111,429	34,898	193,628	6,232	557,622
Wood parts	7,632	5,453	1,657	10,712	29,494	29,163	645	84,756
Total 1983	104,277	31,108	122,046	149,553	118,404	322,067	9,053	856,508
1984:								
Bentwood	NA	75	NA	114	11,908	3,202	200	15,499
Chairs	15,149	7,010	22,274	48,353	60,144	109,368	2,411	264,709
Tables	9,503	5,799	26,387	19,700	8,215	88,336	1,454	159,394
Bedroom furniture	12,954	7,535	28,766	22,332	2,486	10,821	1,138	86,032
Wall systems and wood shelving	40,754	11,021	52,183	59,656	22,543	57,041	5,866	249,064
Other furniture	62,388	7,287	51,237	57,318	8,847	100,345	3,053	290,475
Wood parts	9,233	6,374	5,115	16,561	31,918	53,990	621	123,812
Total 1984	149,981	45,101	185,962	224,034	146,061	423,103	14,743	1,188,985
1985:								
Bentwood	NA	NA	NA	298	10,945	1,605	352	13,200
Chairs	17,757	9,432	28,392	78,473	77,333	101,617	2,893	315,897
Tables	13,525	6,247	31,345	37,247	11,766	154,069	1,939	256,138
Bedroom furniture	17,234	17,207	40,111	40,709	3,040	12,716	2,533	133,550
Wall systems and shelving	59,049	17,015	69,877	106,812	29,482	101,386	8,459	392,080
Other furniture	70,803	9,158	42,081	68,341	7,307	104,917	4,691	307,298
Furniture parts	12,428	8,754	2,414	20,987	29,871	85,871	1,050	161,375
Total 1985	190,796	67,813	214,220	352,867	169,744	562,181	21,917	1,579,538
1986:								
Bentwood	5	105	24	199	7,546	2,622	19	10,520
Chairs	21,247	10,307	27,977	87,248	74,395	128,884	789	350,847
Tables	17,086	6,802	29,368	46,966	12,626	236,604	1,045	350,497
Bedroom furniture	26,847	23,593	43,662	66,016	4,132	22,398	932	187,580
Wall systems and shelving	63,240	18,839	64,509	131,026	32,221	140,880	9,988	460,703
Other furniture	85,125	11,441	39,125	79,657	9,338	134,560	2,079	361,325
Furniture parts	17,657	15,566	8,975	22,048	23,330	76,542	482	164,600
Total 1986	231,207	86,653	213,640	433,160	163,588	742,490	15,334	1,886,072

Table 20.--Value of U.S. wood furniture imports, by region and product, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year and product	Canada	Caribbean, South & Central America	Scandi- navia	Other Western Europe	Eastern Europe	Asia, Middle East, & Pacific	All other	Total*
1987:								
Bentwood	17	26	10	290	8,018	1,837	2	10,200
Chairs	25,098	14,953	24,605	87,065	85,554	185,204	195	422,674
Tables	19,824	14,350	28,193	44,813	11,639	310,994	799	430,612
Bedroom furniture	35,627	26,327	41,717	71,790	5,072	38,842	5,270	224,645
Wall systems and shelving	77,683	31,866	55,868	115,356	48,441	166,994	1,694	497,902
Other furniture	104,876	15,331	38,588	78,236	12,639	140,860	4,627	395,157
Furniture parts	20,304	16,029	8,952	23,059	16,945	48,803	131	134,223
Total 1987	283,429	118,882	197,933	420,609	188,308	893,534	12,718	2,115,413
1988:								
Bentwood	26	48	6	98	7,723	821	0	8,722
Chairs	29,684	18,343	20,520	90,543	88,168	196,566	61	443,886
Tables	19,880	19,286	22,445	42,180	10,015	320,247	215	434,265
Bedroom furniture	42,079	36,698	36,931	63,312	4,262	35,511	269	219,057
Wall systems and shelving	92,464	38,278	49,000	99,552	42,537	157,990	81	479,900
Other furniture	110,655	20,270	32,262	79,944	8,803	119,488	215	371,637
Furniture parts	24,219	19,061	9,995	24,870	13,444	56,205	185	147,980
Total 1988	319,004	151,984	171,161	400,494	174,953	886,822	1,027	2,105,446
1989:								
Bentwood	226	270	16	558	8,443	1,245	21	10,782
Chairs	73,193	34,888	28,449	283,644	96,353	234,286	348	751,155
Tables	3,782	4,798	7,614	14,954	5,161	85,191	112	121,613
Bedroom furniture	56,579	38,270	36,816	83,015	4,299	74,389	638	294,010
Wall systems and shelving	21,835	506	814	39,116	1,224	6,871	11	70,378
Other furniture	176,424	92,858	90,329	176,782	40,652	581,440	3,242	1,161,724
Furniture parts	28,400	23,842	9,066	24,349	13,907	55,927	52	155,542
Total 1989	360,440	195,436	173,104	622,418	170,039	1,039,349	4,424	2,565,208

Table 20.--Value of U.S. wood furniture imports, by region and product, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year and product	Canada	Caribbean, South & Central America	Scandi- navia	Other Western Europe	Eastern Europe	Asia, Middle East, & Pacific	All Other	Total*
1990:								
Bentwood	291	1,282	54	931	11,958	937	2	15,455
Chairs	61,892	40,512	26,071	305,517	85,286	222,881	159	742,321
Tables	3,728	3,935	8,639	14,286	4,146	80,091	175	114,995
Bedroom furniture	57,641	50,322	38,072	92,234	4,591	71,309	925	315,093
Wall systems and shelving	25,337	900	943	45,507	857	4,161	31	77,737
Other furniture	172,851	111,891	94,045	178,432	39,824	524,500	3,738	1,125,281
Furniture parts	34,618	27,757	10,475	29,764	12,751	60,706	211	176,282
Total 1990	356,361	236,599	178,299	666,671	159,413	964,585	5,241	2,567,163
1991 - 1st quarter								
Bentwood	42	232	3	332	1,922	342	2	2,880
Chairs	13,057	10,938	4,600	69,552	15,791	58,852	32	172,835
Tables	864	859	1,598	3,225	974	22,057	47	29,626
Bedroom furniture	11,566	11,322	6,215	16,621	984	13,277	75	60,059
Wall systems and shelving	5,715	154	88	9,348	63	565	33	15,964
Other furniture	33,605	25,453	15,791	33,856	6,518	110,894	681	226,804
Furniture parts	7,295	6,567	3,191	7,158	2,526	14,246	69	41,049
Total - 1ST QUARTER	72,146	55,525	31,486	140,092	28,778	220,233	939	549,216

* - Totals may not reflect sums due to rounding.

NA - Not available.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 21.--U.S. exports of nonconiferous chips, by region, 1989-91

Year	Western Europe			Canada			Japan			Mexico			Taiwan		
	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a
1989	1,273	64	268	5,346	268	1,406,411	134,099	84,564	4,374	133,277	14,502				
1990:															
1st quarter	164	8	333	6,002	333	299,696	29,893	5,007	220	32,317	3,111				
2nd quarter	573	29	449	8,101	449	313,384	29,532	14,818	718	41,143	2,778				
3rd quarter	0	0	601	13,979	601	363,487	34,369	15,668	745	61,244	5,666				
4th quarter	298	15	591	14,413	591	360,045	31,705	1,958	82	45,289	3,071				
Total 1990	1,035	52	1,974	42,495	1,974	1,336,612	125,500	37,451	1,764	179,993	14,624				
1991:															
1st quarter	0	0	632	18,079	632	391,866	36,402	0	0	16,705	1,011				
2nd quarter	--	--	--	--	--	--	--	--	--	--	--				
3rd quarter	--	--	--	--	--	--	--	--	--	--	--				
4th quarter	--	--	--	--	--	--	--	--	--	--	--				
Total 1991	--	--	--	--	--	--	--	--	--	--	--				
Year	All others			Total											
	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a	Volume (tons)	Value (M\$) ^a	Value (M\$) ^a									
1989	82,335	8,557	161,865	1,713,206	161,865										
1990:															
1st quarter	21,465	1,600	35,165	364,651	35,165										
2nd quarter	66	3	33,510	378,085	33,510										
3rd quarter	20,690	1,366	42,744	475,068	42,744										
4th quarter	28,732	3,426	38,890	450,735	38,890										
Total 1990	70,953	6,394	150,309	1,668,539	150,309										
1991:															
1st quarter	305	15	38,060	426,955	38,060										
2nd quarter	--	--	--	--	--										
3rd quarter	--	--	--	--	--										
4th quarter	--	--	--	--	--										
Total 1991	--	--	--	--	--										

^a F.a.s.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 22.--Value of U.S. hardwood log exports, by region and species, 1978-91
(In thousands of dollars, f.a.s.)

Year	Canada			Central & South America and Caribbean			Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	14,246	4,848	1,564	4,549	421	1,950	71,438	3,407	28,919
1979	17,805	6,675	1,985	6,759	1,437	2,656	95,276	6,076	47,703
1980	14,372	3,926	2,175	7,200	1,557	2,438	92,424	7,138	48,515
1981	12,945	3,620	1,166	7,336	725	3,057	57,133	5,475	34,565
1982	11,283	3,735	1,319	6,464	1,979	2,029	50,562	5,024	29,857
1983	13,638	4,187	1,239	5,667	1,598	2,890	61,345	6,505	35,560
1984	15,650	4,334	737	9,181	3,283	4,547	53,499	7,253	31,029
1985	10,486	2,588	455	8,082	3,078	3,365	44,186	4,565	23,773
1986	8,279	2,755	435	6,670	2,371	2,965	46,334	1,851	27,795
1987	10,252	3,245	735	4,879	2,153	1,107	56,319	3,034	33,192
1988	12,583	4,010	902	7,170	2,552	2,646	69,303	5,111	33,523
1989	18,124	8,081	1,557	8,650	3,394	2,154	93,084	7,400	37,706
1990:									
1st quarter	16,386	4,654	1,940	817	289	209	31,176	2,488	11,873
2nd quarter	11,705	4,031	1,622	1,039	188	194	28,031	3,649	9,097
3rd quarter	10,758	3,402	999	979	341	191	7,488	1,083	1,892
4th quarter	12,930	3,751	1,690	1,283	555	203	24,358	2,105	9,032
Total 1990	51,781	15,837	6,250	4,118	1,372	798	91,066	9,327	31,900
1991:									
1st quarter	17,420	5,079	1,506	928	162	316	29,684	1,839	8,757
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	12,427	909	608	157	17	14	102,817	9,602	33,055
1979	18,198	663	879	63	4	0	138,101	14,855	53,223
1980	15,160	1,060	473	208	18	7	129,364	13,699	53,608
1981	14,209	2,288	1,077	245	11	0	91,868	12,119	39,865
1982	15,443	3,429	1,046	153	0	15	83,905	14,167	34,266
1983	17,410	6,493	1,887	3	0	0	98,063	18,783	41,576
1984	22,365	7,485	3,074	14	5	0	100,709	22,360	39,387
1985	28,378	13,289	2,435	17	0	0	91,149	23,520	30,028
1986	35,909	12,236	4,666	73	0	0	97,265	19,213	35,861
1987	46,506	12,941	9,208	321	40	116	118,277	21,413	44,358
1988	70,318	18,173	12,927	616	10	484	159,990	29,856	50,482
1989	98,865	26,095	22,461	8,707	368	7,492	227,433	45,341	71,370
1990:									
1st quarter	30,294	6,141	10,244	2,696	0	2,692	81,368	13,572	26,957
2nd quarter	31,833	9,488	9,588	1,804	14	1,602	74,409	17,367	22,100
3rd quarter	13,206	4,245	2,145	598	8	579	33,030	9,079	5,810
4th quarter	21,640	4,140	8,354	1,095	5	1,074	61,308	10,555	20,354
Total 1990	96,965	24,012	30,328	6,190	27	5,944	250,116	50,573	75,220
1991:									
1st quarter	28,786	4,428	9,104	471	0	454	77,289	11,508	20,136
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Source: U.S. Department of Commerce, Bureau of the Census.

Table 23.--Value of U.S. hardwood lumber exports, by region and species, 1978-91
(In thousands of dollars, f.a.s.)

Year	Central & South America								
	Canada			and Caribbean			Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	64,180	33,287	6,487	4,537	884	324	73,390	35,741	24,732
1979	76,667	34,636	5,142	5,329	1,112	81	115,680	54,786	38,875
1980	73,187	30,848	6,352	7,654	1,635	361	137,899	62,950	48,412
1981	77,605	37,451	5,933	8,287	2,358	382	127,363	60,039	43,105
1982	60,891	32,077	3,749	7,936	3,039	518	119,241	53,582	41,451
1983	91,689	46,265	6,098	8,151	4,026	199	131,780	52,668	53,408
1984	79,210	40,262	7,215	11,756	5,094	716	108,162	41,760	48,905
1985	65,566	36,232	5,033	11,186	4,498	1,259	90,326	37,125	37,690
1986	70,391	40,928	5,379	14,424	4,784	843	123,939	43,333	56,409
1987	102,334	58,696	8,667	21,992	9,948	1,401	173,984	55,389	77,926
1988	128,113	70,521	12,158	29,696	14,315	1,990	264,902	79,996	114,609
1989	113,452	61,172	11,806	28,403	10,217	4,187	253,810	58,920	130,136
1990:									
1st quarter	58,544	29,678	9,202	6,761	2,344	626	77,874	15,342	39,212
2nd quarter	53,641	26,357	9,133	6,369	2,464	416	85,097	15,265	40,717
3rd quarter	42,394	21,566	6,662	6,984	2,538	768	70,756	12,589	34,832
4th quarter	44,189	21,347	7,631	6,849	2,601	1,188	79,831	15,391	39,350
Total 1990	198,767	98,950	32,630	26,964	9,948	2,999	313,555	58,584	154,113
1991:									
1st quarter	45,109	21,758	6,354	6,637	3,057	947	87,915	16,553	41,770
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	5,485	450	2,516	574	186	59	148,166	70,548	34,118
1979	6,872	1,199	1,514	1,514	634	112	206,062	92,367	45,724
1980	14,207	1,670	5,986	2,004	684	603	234,951	97,787	61,714
1981	25,144	7,755	8,408	3,634	1,275	1,374	242,033	108,878	59,202
1982	24,231	8,732	6,724	3,834	2,361	799	216,133	99,791	53,241
1983	49,384	18,671	11,868	6,892	3,463	2,019	287,896	125,093	73,592
1984	76,344	31,687	15,021	6,660	2,824	2,614	282,132	121,627	74,471
1985	75,641	37,669	9,396	4,878	1,360	2,476	247,597	116,884	55,854
1986	122,827	68,365	14,428	5,556	2,518	2,104	337,137	159,928	79,163
1987	166,082	74,298	24,371	10,444	4,230	5,035	474,836	202,561	117,400
1988	218,845	87,096	28,177	12,986	4,560	6,249	654,542	256,488	163,183
1989	220,857	71,576	35,594	17,626	6,020	9,577	634,156	207,900	191,304
1990:									
1st quarter	57,322	18,206	10,497	4,748	1,503	2,453	205,249	67,077	61,988
2nd quarter	55,999	17,567	8,877	6,296	1,400	4,336	207,397	63,051	63,483
3rd quarter	54,870	20,453	9,024	10,211	3,079	6,380	185,192	60,222	57,666
4th quarter	54,710	21,294	10,803	6,747	1,945	4,371	192,329	62,578	63,342
Total 1990	222,896	77,519	39,194	27,996	7,925	17,543	790,167	252,927	246,478
1991:									
1st quarter	52,238	19,359	7,098	6,698	1,466	4,516	198,598	62,192	60,683
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Source: U.S. Department of Commerce, Bureau of the Census.

Table 24.--Value of U.S. hardwood veneer exports, by region and species, 1978-91
(In thousands of dollars, f.a.s.)

Year	Canada			Central & South America and Caribbean			Western Europe		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	6,129	1,054	337	793	50	0	54,184	3,018	28,702
1979	5,493	1,283	213	1,260	52	10	69,465	3,398	40,601
1980	7,368	2,076	472	3,485	107	165	92,128	7,389	55,699
1981	7,602	1,511	547	3,725	90	500	63,669	6,098	39,154
1982	5,745	1,821	435	1,034	124	43	59,325	7,825	36,636
1983	9,712	3,062	668	912	76	227	72,299	11,136	40,803
1984	13,727	4,749	2,724	1,432	181	237	55,313	9,421	33,465
1985	9,090	2,083	1,466	855	235	31	40,353	8,961	22,148
1986	8,545	1,871	727	1,718	207	587	50,982	7,959	31,045
1987	15,362	3,794	1,084	1,048	37	352	75,330	13,281	45,753
1988	18,670	4,038	924	1,854	180	563	92,635	15,557	60,363
1990:									
1st quarter	6,709	2,225	1,022	1,089	209	241	30,780	5,068	17,536
2nd quarter	7,029	2,279	1,103	586	105	53	33,159	5,169	19,978
3rd quarter	5,885	2,228	888	773	34	293	26,534	4,160	14,572
4th quarter	5,473	2,135	699	872	200	246	34,903	4,745	20,361
Total 1990	25,096	8,867	3,713	3,319	547	833	125,369	19,141	72,445
1991:									
1st quarter	5,121	2,147	545	710	112	175	31,768	5,431	16,650
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	R.oak	W.oak	Total	R.oak	W.oak	Total	R.oak	W.oak
1978	1,368	199	195	647	3	126	63,121	4,324	29,360
1979	1,545	248	45	644	10	90	78,407	4,991	40,959
1980	2,032	341	147	1,334	128	297	106,347	10,041	56,780
1981	3,270	734	583	2,080	42	422	80,346	8,475	41,204
1982	5,774	2,256	357	1,172	28	317	73,050	12,054	37,788
1983	8,917	4,527	420	1,258	127	542	93,098	18,928	42,660
1984	9,973	4,313	710	1,663	21	182	82,108	18,685	37,318
1985	10,468	5,174	849	1,483	37	563	62,249	16,490	25,057
1986	18,598	6,039	4,196	1,921	457	1,092	81,764	16,533	37,647
1987	18,047	4,980	4,473	2,147	310	1,379	111,934	22,402	53,041
1988	31,964	7,287	9,243	2,709	429	1,683	147,832	27,491	72,776
1989	37,291	6,477	9,068	4,949	791	3,050	155,742	28,204	76,049
1990:									
1st quarter	9,550	1,505	1,847	666	95	340	48,787	9,099	20,984
2nd quarter	9,370	1,698	1,655	1,170	33	590	51,314	9,284	23,383
3rd quarter	8,592	2,081	2,073	1,403	34	878	43,184	8,536	18,705
4th quarter	8,334	1,797	1,854	837	167	545	50,414	9,043	23,704
Total 1990	35,843	7,082	7,430	4,074	327	2,354	193,698	35,962	86,776
1991:									
1st quarter	8,775	2,084	2,648	1,294	358	514	47,672	10,134	20,533
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Source: U.S. Department of Commerce, Bureau of the Census.

Table 25.--Value of U.S. hardwood plywood exports, by region and species, 1978-91
(In thousands of dollars, f.a.s.)

Year	Central & South America and Caribbean								
	Canada						Western Europe		
	Total	Birch	Oak	Total	Birch	Oak	Total	Birch	Oak
1978	3,692	133	92	1,294	310	20	1,099	16	63
1979	4,887	129	348	1,911	233	8	780	78	26
1980	4,078	381	538	4,091	526	167	2,404	15	277
1981	4,943	1,101	1,206	3,839	654	212	756	122	69
1982	2,673	688	1,045	4,357	450	67	515	39	326
1983	3,180	492	1,476	2,888	332	47	649	14	574
1984	2,254	394	738	4,079	362	97	716	19	500
1985	2,652	480	582	6,139	505	168	627	0	207
1986	3,854	389	901	5,780	262	176	2,735	357	28
1987	3,289	258	837	7,907	558	598	2,238	0	157
1988	4,970	277	2,118	11,884	1,733	422	3,729	166	369
1989	4,644	536	1,245	4,843	855	1,225	1,147	245	80
1990:									
1st quarter	2,689	380	0	2,320	387	379	435	12	3
2nd quarter	2,725	353	0	1,967	307	446	33	0	14
3rd quarter	2,612	342	0	1,669	343	293	137	0	0
4th quarter	2,525	372	0	1,576	250	352	67	9	0
Total 1990	10,552	1,447	0	7,530	1,287	1,470	672	21	17
1991:									
1st quarter	3,514	507	0	1,835	583	267	460	18	70
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Year	Asia			All other			Total		
	Total	Birch	Oak	Total	Birch	Oak	Total	Birch	Oak
1978	1,721	229	9	497	110	0	8,303	798	184
1979	601	64	35	283	201	0	8,462	705	417
1980	1,739	81	41	351	154	0	12,663	1,157	1,023
1981	689	43	102	732	429	31	10,959	2,349	1,620
1982	1,736	124	46	187	101	3	9,468	1,402	1,487
1983	464	49	58	305	129	114	7,486	1,016	2,269
1984	620	2	1	284	122	0	7,953	899	1,336
1985	816	156	86	229	63	0	10,463	1,204	1,043
1986	921	0	62	65	3	2	13,355	1,011	1,169
1987	991	70	66	104	10	0	14,529	896	1,658
1988	1,408	174	23	202	39	0	22,193	2,389	2,932
1989	688	9	124	231	21	70	11,553	1,666	2,744
1990:									
1st quarter	334	0	59	27	0	6	5,807	778	446
2nd quarter	228	11	20	114	0	14	5,068	671	495
3rd quarter	73	0	0	47	3	0	4,536	691	294
4th quarter	80	0	0	73	0	0	4,320	630	353
Total 1990	714	11	79	262	3	20	19,732	2,768	1,586
1991:									
1st quarter	153	0	44	102	0	0	6,061	1,108	381
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

Table 26.--Value of U.S. hardwood log imports, by region and species, 1978-91
(In thousands of dollars, c.i.f.)

Year	Africa		Asia		Canada		South America	
	Total	Mahogany	Total	Philippine Mahogany	Total	Birch/maple	Total	Mahogany
1978	1,115	681	329	1	2,198	1,329	290	0
1979	635	403	541	39	1,556	1,296	168	26
1980	1,090	711	193	16	1,547	1,130	188	0
1981	579	496	266	0	1,930	1,379	254	2
1982	639	563	237	17	2,803	1,875	86	8
1983	196	146	379	49	2,586	1,007	289	27
1984	596	270	496	22	3,524	974	363	101
1985	170	127	1,329	37	1,870	830	565	100
1986	263	258	659	75	2,018	1,012	147	0
1987	270	192	543	5	1,635	1,028	223	91
1988	339	221	990	0	1,641	1,121	246	84
1989	1,993	1,110	9,960	8,750	4,880	2,872	2,806	0
1990:								
1st quarter	338	338	1,263	1,259	580	437	91	6
2nd quarter	515	515	1,095	1,062	425	253	119	0
3rd quarter	339	339	555	552	622	345	120	49
4th quarter	315	291	553	553	344	248	53	22
Total 1990	1,507	1,483	3,467	3,427	1,971	1,282	383	77
1991:								
1st quarter	19	0	460	460	375	282	30	7
2nd quarter	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--

Year	All others				Total*			
	Total	Birch/maple	Philippine mahogany	Mahogany	Total	Birch/maple	Mahogany	Philippine mahogany
1978	118	0	0	10	4,051	1,329	690	1
1979	272	9	0	0	3,173	1,305	430	39
1980	291	0	0	123	3,309	1,130	835	16
1981	83	1	0	0	3,113	1,379	499	0
1982	53	0	0	0	3,818	1,875	571	17
1983	129	0	0	3	3,580	1,007	181	49
1984	117	0	0	52	5,098	974	423	22
1985	300	1	0	19	4,234	831	248	37
1986	1,469	4	0	23	4,558	1,016	281	75
1987	963	10	0	0	3,634	1,038	284	5
1988	494	0	0	0	3,709	1,135	314	0
1989	583	22	59	3	20,220	2,894	1,129	8,922
1990:								
1st quarter	103	12	10	0	2,375	449	344	1,270
2nd quarter	205	94	16	0	2,360	347	515	1,087
3rd quarter	117	31	0	0	1,755	377	388	553
4th quarter	121	5	80	0	1,385	252	313	647
Total 1990	547	142	106	0	7,875	1,424	1,559	3,555
1991:								
1st quarter	215	0	173	0	1,099	282	7	645
2nd quarter	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--

* - Totals may not reflect sums of regions due to omission of small amounts of species not included in regional breakdowns.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 27.--Value of U.S. hardwood lumber imports, by region and species, 1978-91
(In thousands of dollars, c.i.f.)

[illegible]

Table 27.--Value of U.S. hardwood lumber imports, by region and species, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year	South America				All other				Total*			
	Total	Mahogany	Philippine Birch/		Total	Mahogany	Philippine Birch/		Total	Mahogany	Philippine Birch/	
			mahogany	maple			mahogany	maple			mahogany	maple
1978	43,350	13,504	1	2	1,837	0	0	20	140,798	14,921	26,301	27,958
1979	48,557	14,056	16	7	1,593	14	0	49	186,063	15,291	34,623	25,370
1980	65,822	29,454	25	0	1,940	118	14	27	153,979	30,336	31,113	22,325
1981	71,745	37,598	0	4	1,913	6	0	42	164,718	38,316	28,632	19,067
1982	41,882	22,697	140	0	1,620	14	17	70	104,508	23,199	12,252	13,992
1983	57,319	32,717	599	0	2,434	98	5	37	139,310	33,251	25,008	13,650
1984	64,260	37,334	39	14	3,803	402	3	22	163,882	38,635	27,229	14,171
1985	63,057	38,346	205	17	6,017	1,598	0	472	175,775	41,032	25,987	14,230
1986	55,433	32,062	0	13	3,770	388	0	127	150,375	34,350	19,871	16,532
1987	117,915	87,302	233	1	5,117	490	25	92	256,270	93,062	29,080	22,342
1988	78,771	51,859	78	50	2,893	251	0	144	208,783	55,460	23,741	25,140
1989	73,117	44,153	4,260	1	2,211	123	0	172	175,608	46,351	30,575	21,993
1990:												
1st quarter	21,979	16,118	1,061	0	489	0	0	22	45,841	16,623	7,004	5,893
2nd quarter	16,258	10,435	1,147	0	782	33	0	17	41,210	11,286	5,114	7,196
3rd quarter	15,258	7,167	1,520	0	433	60	0	2	39,869	7,988	5,830	6,570
4th quarter	16,586	10,356	830	76	386	6	0	26	37,915	10,909	5,393	5,920
Total 1990	70,073	44,077	4,558	76	2,090	98	0	67	164,835	46,806	23,342	25,581
1991:												
1st quarter	27,860	22,325	348	0	326	27	0	71	47,986	23,201	4,373	6,188
2nd quarter	--	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--	--

* - Totals may not reflect sums due to rounding.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 28.--Value of U.S. hardwood veneer imports, by region and species, 1978-91
(In thousands of dollars, c.i.f.)

Year	Canada			Brazil			Other South America			Philippines		
	Birch/ Philippine		mahogany	Birch/ Philippine		mahogany	Birch/ Philippine		mahogany	Birch/ Philippine		mahogany
	Total	maple		Total	maple		Total	maple		Total	maple	
1978	47,412	39,792	0	8,852	0	0	5,206	417	757	18,887	81	18,523
1979	57,639	48,295	0	4,836	1	0	5,642	0	107	25,996	20	25,459
1980	43,481	33,941	0	4,903	0	0	8,054	0	0	18,580	54	18,340
1981	49,491	36,420	3	7,480	0	0	8,729	16	0	21,701	33	20,944
1982	47,017	28,547	16	9,831	0	2,586	4,655	0	0	8,419	0	8,273
1983	65,255	38,683	0	12,429	0	0	6,003	0	0	20,541	27	18,155
1984	72,183	36,881	24	14,392	78	90	5,371	21	0	11,001	0	10,253
1985	53,914	29,974	91	15,785	0	996	3,435	0	25	7,071	59	6,610
1986	62,751	34,638	23	17,248	347	23	2,823	0	0	5,806	10	5,566
1987	78,143	39,228	0	20,700	137	4	2,796	0	0	8,707	0	8,521
1988	88,634	42,814	0	26,703	263	0	4,745	0	0	13,545	0	13,050
1989	86,845	42,150	NA	22,423	601	NA	6,493	4	NA	9,973	0	NA
1990:												
1st quarter	25,324	12,518	NA	6,622	38	NA	1,820	0	NA	2,847	0	NA
2nd quarter	25,453	11,489	NA	6,012	30	NA	1,680	0	NA	2,200	0	NA
3rd quarter	21,760	10,278	NA	5,572	97	NA	901	0	NA	2,114	0	NA
4th quarter	19,629	9,121	NA	6,314	15	NA	1,721	0	NA	1,734	0	NA
Total 1990	92,166	43,407	NA	24,519	180	NA	6,122	0	NA	8,895	0	NA
1991:												
1st quarter	19,866	9,282	NA	5,552	0	NA	911	0	NA	557	0	NA
2nd quarter	--	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--	--

Table 28.--Value of U.S. hardwood veneer imports, by region and species, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year	Other Asia			All other			Total*		
	Birch/		Philippine	Birch/		Philippine	Birch/		Philippine
	Total	maple	mahogany	Total	maple	mahogany	Total	maple	mahogany
1978	6,478	52	3,697	8,091	84	5	94,926	40,426	22,982
1979	4,171	23	2,165	10,576	106	0	108,860	48,445	27,731
1980	3,436	106	728	8,168	317	0	86,622	34,418	19,068
1981	5,619	278	2,107	10,360	111	0	103,380	36,858	23,054
1982	3,317	102	1,253	10,058	173	333	83,297	28,822	12,461
1983	6,146	33	1,537	12,712	412	19	123,086	39,155	19,711
1984	9,490	150	4,266	19,396	339	541	131,833	37,469	15,174
1985	11,150	73	7,252	19,509	571	32	110,864	30,677	15,006
1986	15,377	50	12,063	20,176	515	84	124,181	35,560	17,759
1987	16,365	121	10,483	24,572	732	0	151,283	40,218	19,008
1988	10,745	1	6,130	26,157	1,183	290	170,529	44,261	19,470
1989	15,696	223	NA	27,982	1,434	NA	169,414	44,411	NA
1990:									
1st quarter	3,159	99	NA	5,508	436	NA	45,279	13,092	NA
2nd quarter	4,059	53	NA	7,062	462	NA	46,466	12,032	NA
3rd quarter	4,016	120	NA	8,800	733	NA	43,159	11,227	NA
4th quarter	3,275	106	NA	5,678	321	NA	38,352	9,562	NA
Total 1990	14,514	376	NA	27,044	1,951	NA	173,255	45,914	NA
1991:									
1st quarter	3,122	133	NA	4,107	310	NA	34,119	9,725	NA
2nd quarter	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--

* - Totals may not reflect sums due to rounding.

NA - Not available.

Source: U.S. Department of Commerce, Bureau of the Census.

Table 29.--Value of U.S. hardwood plywood imports, by region and species, 1978-91
(In thousands of dollars, c.i.f.)

[illegible]

Table 29.--Value of U.S. hardwood plywood imports, by region and species, 1978-91 (cont'd)
(In thousands of dollars, c.i.f.)

Year	Canada			South America			All other			Total*	
	Total	Philippine		Total	Philippine		Total	Philippine		Total	Philippine
		Birch	mahogany		Birch	mahogany		Birch	mahogany		
1978	15,242	13,278	4	5,182	0	5	13,085	11,788	0	563,989	70,896
1979	19,544	16,406	0	7,923	0	0	12,938	11,460	11	616,870	77,595
1980	17,931	14,750	19	10,920	0	0	16,105	14,646	0	425,217	72,747
1981	17,325	12,613	2	11,759	0	0	16,758	15,903	0	491,314	71,912
1982	14,860	11,397	1	7,751	39	0	11,080	9,766	0	352,083	60,476
1983	16,937	9,952	0	11,967	38	0	14,260	12,697	0	480,700	74,328
1984	23,600	14,518	2	16,017	1,265	0	16,737	14,551	0	459,391	88,232
1985	21,851	13,240	13	17,341	440	0	18,616	15,922	81	489,107	82,864
1986	17,989	8,691	0	17,710	307	0	21,195	16,222	0	531,201	84,371
1987	28,743	16,860	0	26,436	245	50	22,949	17,561	25	646,197	92,572
1988	29,321	19,025	0	27,235	21	46	16,064	13,325	0	580,084	82,966
1989	35,349	21,689	NA	29,929	0	NA	19,390	13,909	NA	551,740	83,918
1990:											
1st quarter	8,632	5,414	NA	9,403	0	NA	5,384	4,535	NA	138,675	21,068
2nd quarter	9,396	6,014	NA	13,538	0	NA	5,352	4,084	NA	159,538	21,674
3rd quarter	9,069	5,555	NA	10,422	36	NA	5,413	4,020	NA	154,971	19,060
4th quarter	8,015	5,145	NA	8,276	58	NA	7,457	6,757	NA	131,908	18,059
Total 1990	35,112	22,125	NA	41,642	94	NA	23,606	19,398	NA	585,092	79,862
1991:											
1st quarter	9,030	5,777	NA	11,300	98	NA	5,366	4,746	NA	135,403	16,451
2nd quarter	--	--	--	--	--	--	--	--	--	--	--
3rd quarter	--	--	--	--	--	--	--	--	--	--	--
4th quarter	--	--	--	--	--	--	--	--	--	--	--
Total 1991	--	--	--	--	--	--	--	--	--	--	--

* - Totals may not reflect sums due to rounding.

NA - Not available.

Source: U.S. Department of Commerce, Bureau of the Census.



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